

said commutator being provided with a tapered portion which extends along a majority of the inner face of said cylindrical side wall and which grows wider toward said commutator and grows narrower toward a coil end of said armature, and wherein a heat radiating plate made of metal engages said carbon brush part and is provided between said carbon brush part and said coil end.

2. (Amended) A motor-driven tool as claimed in claim 1, wherein air passages are formed between said carbon brush part and said heat radiating plate, and between said heat radiating plate and said armature, and wherein said heat radiating plate has a shape following a contour of said coil end of said armature.
4. (Amended) A motor-driven tool as claimed in claim 3, wherein an electronic component is provided between said plate portion and an elastic rib in a columnar shape provided in said housing.
5. (Amended) A motor-driven tool as claimed in claim 1, wherein said carbon brush part includes a net-like filter.

Please add new claims 6 - 16 as follows:

- 6. (Newly Added) The tool of claim 5, wherein said filter is arranged between said suction port and said tapered portion. --

- - 7. (Newly Added) The tool of claim 1, wherein said cooling fan is provided between a core and a pinion of said armature. - -

- - 8. (Newly Added) The tool of claim 1, wherein said heat radiating plate comprises a tubular portion. - -

- - 9. (Newly Added) The tool of claim 8, wherein said tubular portion comprises an iron plate. - -

- - 10. (Newly Added) The tool of claim 8, wherein said tubular portion forms a cup-like shape. - -

- - 11. (Newly Added) The tool of claim 1, wherein said carbon brush part comprises a groove for receiving a filter. - -

- - 12. (Newly Added) The tool of claim 1, wherein said suction port is positioned outside said carbon brush part and at a side of said commutator. - -

- - 13. (Newly Added) The tool of claim 1, wherein an end of said tapered portion extends to a midpoint of a carbon brush of said carbon brush part. - -

- - 14. (Newly Added) The tool of claim 1, wherein said tapered portion comprises a flared cup-like shape. - -

- - 15. (Newly Added) A motor-driven tool comprising:

a motor including an armature and a stator;

a fan provided on a shaft of said motor;

a housing containing said motor, wherein said housing comprises a suction port and a discharge port; and

a carbon brush block contained by said housing and comprising a cylindrical side wall between said suction port and a commutator of said motor, wherein a majority of an inner face of said cylindrical side wall tapers from a wide end toward said commutator and to a narrow end toward a coil end of said armature. - -

- - 16. (Newly Added) A motor-driven tool comprising:

a motor including an armature and a stator;

a fan provided on a shaft of said motor;

a housing containing said motor, wherein said housing comprises a suction port and a discharge port;

a carbon brush block contained in said housing; and

a metal heat radiating plate engaging said carbon brush part and having a shape that follows a contour of a coil end of said armature. - -